## Claims

I	1. An electro-optic assembly comprising first and second
2	substrates, and an adhesive layer and a layer of electro-optic material disposed
3	between the first and second substrates, the adhesive layer comprising a mixture of a
4	polymeric adhesive material and an additive selected from a salt, a polyelectrolyte, a
5	polymer electrolyte, a solid electrolyte, and combinations thereof.
1	2. An electro-optic assembly according to claim 1 wherein the
2	adhesive layer comprises a mixture of the polymeric adhesive material and a salt.
1	3. An electro-optic assembly according to claim 2 wherein the salt
2	comprises potassium acetate.
1	4. An electro-optic assembly according to claim 2 wherein the salt
2	comprises a quaternary ammonium salt.
1	5. An electro-optic assembly according to claim 4 wherein the salt
2	comprises a tetraalkylammonium salt.
1	6. An electro-optic assembly according to claim 5 wherein the salt
2	comprises tetrabutylammonium chloride or hexafluorophosphate.
1	7. An electro-optic assembly according to claim 1 wherein the
2	polyelectrolyte comprises a salt of a polyacid.
1	8. An electro-optic assembly according to claim 7 wherein the
2	polyelectrolyte comprises an alkali metal salt of polyacrylic acid.
1	9. An electro-optic assembly according to claim 1 wherein the
2	adhesive layer comprising the additive is provided with regions of differing colors and
3	serves as a color filter.
1	10. An electro-optic assembly according to claim 1 wherein the
2	adhesive layer comprising the additive further comprises an optical biasing element.
1	11. An electro-optic assembly according to claim 2 wherein the
2	adhesive layer comprises from about 10 <sup>-6</sup> to about 10 <sup>-4</sup> moles of salt per gram of
3	polymeric adhesive material.

1 12. An electro-optic assembly according to claim 11 wherein the adhesive layer comprises from about 10<sup>-5</sup> to about 10<sup>-4</sup> moles of salt per gram of 2 polymeric adhesive material. 3 An electro-optic assembly according to claim 1 wherein the 1 13. 2 adhesive layer comprises a polyurethane. 1 14. An electro-optic assembly according to claim 1 wherein at least 2 one of the first and second substrates comprises an electrode. 1 15. An electro-optic assembly according to claim 14 wherein each 2 of the first and second substrates comprises at least one electrode. 1 16. An electro-optic assembly according to claim 14 wherein the 2 first substrate comprises a light-transmissive electrically-conductive electrode, the 3 second substrate comprises a release sheet, and the electro-optic medium is a solid 4 electro-optic medium. 1 17. An article of manufacture comprising: 2 a layer of a solid electro-optic medium having first and second surfaces 3 on opposed sides thereof; a first adhesive layer on the first surface of the layer of solid electro-4 optic medium; 5 6 a release sheet disposed on the opposed side of the first adhesive layer 7 from the layer of solid electro-optic medium; and 8 a second adhesive layer on the second surface of the layer of solid 9 electro-optic medium, 10 at least one of the first and second adhesive layers comprising a 11 mixture of a polymeric adhesive material and an additive selected from a salt, a 12 polyelectrolyte, a polymer electrolyte, a solid electrolyte, and combinations thereof. 1 18. An electro-optic assembly comprising first and second 2 substrates, and an adhesive layer and a layer of electro-optic material disposed 3 between the first and second substrates, the adhesive layer comprising a mixture of a

polymeric adhesive material and an additive selected from a conductive metal powder,

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a ferrofluid, a non-reactive solvent, a conductive organic compound, and combinations
thereof.
19. An electro-optic assembly according to claim 18 wherein the
conductive metal powder comprises nickel.
20. An article of manufacture comprising:
a layer of a solid electro-optic medium having first and second surfaces
on opposed sides thereof;
a first adhesive layer on the first surface of the layer of solid electro-
optic medium;
a release sheet disposed on the opposed side of the first adhesive layer
from the layer of solid electro-optic medium; and
a second adhesive layer on the second surface of the layer of solid
electro-optic medium,
at least one of the first and second adhesive layers comprising a
mixture of a polymeric adhesive material and an additive selected from a conductive
metal powder, a ferrofluid, a non-reactive solvent, a conductive organic compound,
and combinations thereof.
21. An electrophoretic medium comprising a plurality of capsules,
each of the capsules comprising a capsule wall, a suspending fluid encapsulated within
the capsule wall and a plurality of electrically charged particles suspended in the
suspending fluid and capable of moving therethrough on application of an electric
field to the medium, the medium further comprising a binder surrounding the capsules,
the binder comprising a mixture of a polymeric adhesive material and an additive
selected from a salt, a polyelectrolyte, a polymer electrolyte, a solid electrolyte and
combinations thereof.
22. An electrophoretic medium according to claim 21 wherein the
binder comprises a mixture of the polymeric adhesive material and a salt.

An electrophoretic medium according to claim 22 wherein the

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salt comprises potassium acetate.

24. An electrophoretic medium according to claim 22 wherein the salt comprises a quaternary ammonium salt.

- 25. An electrophoretic medium according to claim 24 wherein the salt comprises a tetraalkylammonium salt.
- 26. An electrophoretic medium according to claim 25 wherein the salt comprises tetrabutylammonium chloride or hexafluorophosphate.
- 27. An electrophoretic medium according to claim 21 wherein the polyelectrolyte comprises a salt of a polyacid.
- 28. An electrophoretic medium according to claim 27 wherein the polyelectrolyte comprises an alkali metal salt of polyacrylic acid.
- 29. An electrophoretic medium according to claim 21 wherein the binder comprising the additive further comprises an optical biasing element.
- 30. An electrophoretic medium according to claim 21 comprising from about 10<sup>-6</sup> to about 10<sup>-4</sup> moles of salt per gram of binder.
- 31. An electrophoretic medium according to claim 30 comprising from about  $10^{-5}$  to about  $10^{-4}$  moles of salt per gram of binder.
- 32. An electrophoretic medium according to claim 21 wherein the binder comprises a polyurethane.
- 33. An electrophoretic medium comprising a plurality of capsules, each of the capsules comprising a capsule wall, a suspending fluid encapsulated within the capsule wall and a plurality of electrically charged particles suspended in the suspending fluid and capable of moving therethrough on application of an electric field to the medium, the medium further comprising a binder surrounding the capsules, the binder comprising a mixture of a polymeric adhesive material and an additive selected from a conductive metal powder, a ferrofluid, a non-reactive solvent, a conductive organic compound, and combinations thereof.
- 34. An adhesive comprising a mixture of a polymeric adhesive material and an additive selected from a salt, a polyelectrolyte, a polymer electrolyte, a solid electrolyte, and combinations thereof.

35. The adhesive of claim 34 wherein the polymeric adhesive material is selected from a polyurethane, vinyl acetate, vinyl acetate ethylene, an epoxy, a polyacrylic-based adhesive, and combinations thereof.

- 36. An adhesive comprising a mixture of a polymeric adhesive material and an additive selected from a conductive metal powder, a ferrofluid, a non-reactive solvent, a conductive organic compound, and combinations thereof.
- 37. The adhesive of claim 36 wherein the polymeric adhesive material is selected from a polyurethane, vinyl acetate, vinyl acetate ethylene, an epoxy, a polyacrylic-based adhesive, and combinations thereof.